

Niagara Falls, New York, May 14, 1963

Mr. John Langkav
Plant Radiation Officer
Union Carbide Metals Company
Niagara Falls, New York

Dear Mr. Langkav:

In late October 1961 we received approximately 80 net tons of Columbite Ore which had an average V_3O_8 content of approximately 1.00%.

This material was unloaded in our storage area in C5F, and this was then designated as a radiation area. The furnace crew, under supervision, opened each drum and obtained a representative sample for the lots of material. Our analysis indicated that certain impurities must be removed by furnacing before we could make salable alloy from this ore.

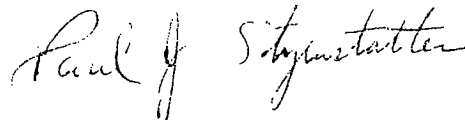
The material was furnaced, with these impurities being removed in the metal, but the Cb_2O_5 , Ta_2O_5 and V_3O_8 remained in the slag. This slag was then crushed to 2" x D in C10P under Mr. Paul McDaniel's supervision, sampled and forwarded to our radiation area in C5F.

This material, then, in blend with other ores to balance certain impurities, was used in an alloy furnace to make salable alloy. The Cb_2O_5 and Ta_2O_5 were extracted and sold but the V_3O_8 remained in the slag.

The metal was checked for V_3O_3 content and it was found to be in the trace column as determined by the spectrograph. This indicates that the assay would be less than 0.01%.

There were approximately 260 heats made, with an average V_3O_8 content of 0.25% in the slag and an average weight of 2800 pounds. This slag was removed to our radiation area back of our laboratory awaiting disposal.

Very truly yours,



P. J. Sitzenstatter:P
Copy:Mr. S. Pishko

UCCNHT0000467

Technology Department
Niagara Falls, New York
April 13, 1965

M E M O R A N D U M

To: Messrs. J. W. Norwood
S. Pishko
P. J. Sitzenstatter
A. H. Soeder
R. D. Sutton
J. L. Wilson

From: H. J. O'Hear

A lot composed of twenty-five sealed drums (10,000#) of Brazilian Columbite Ore (thorium bearing), located in #10 Packing Department, was monitored for radiation on April 7, 1965.

As measured on a Ray-D-Tec portable survey meter, the indicated dose rate measured at the drums and at a distance of 4-5 feet varied between 1-2 Mr/hour.

The recommendation was made that the area be roped off, designated a radiation area and tagged as containing radioactive material.


H. J. O'Hear

HJO:cb

UCCNHT0000468

Technology Department
Niagara Falls, New York
April 13, 1965

MEMORANDUM

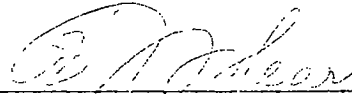
To Messrs. J. W. Norwood
S. Pishko
P. J. Sitzenstatter
A. H. Soeder
R. D. Sutton
J. L. Wilson

From H. J. O'Hear

The information you requested relative to the slag pile contained in the radiation area located behind the laboratory is as follows:

Based on a letter by Paul J. Sitzenstatter to John Langkau, dated May 14, 1963, the pile should contain the slag from 260 heats, with an average weight of 2800 pounds, and with an average content of 0.25% U_3O_8 .

The contained natural uranium of approximately 1540 pounds would indicate an activity of 0.235 curies (235 millicuries)


H. J. O'Hear

EJO:cb

UCCNHT0000469



INTERNAL CORRESPONDENCE

CHEMICALS AND PLASTICS
OLEFINS--DIVISION

66
 137 47th STREET, P O BOX 66, NIAGARA FALLS, NEW YORK 14302

To (Name) Mr. A. H. Soeder
 Company Union Carbide Corporation
 Location Chemicals and Plastics
 137-47th Street
 P. O. Box 66
 Niagara Falls, New York 14302

Date May 15, 1967

Originating Dept Laboratory

Answering letter date

Copy to

Subject Radioactive Check on
 Incoming Niobite Ore

Dear Mr. Soeder:

On May 12, 1967 I tested the radioactivity of Jantar Lot #2 (our Lot 6359) out of S/S Cornwall and found the greatest radiation level to be from 0.1 to 0.2 MR/HR.

Since this is the lower limit of detection, we may assume there is no industrial radiation hazard present.

Very truly yours,

A handwritten signature in cursive script, appearing to read "E.W. Schustik".

Plant Radiation Protection Officer

E.W. Schustik:KJZ
 Copies:CHW:PJS:FJG:SSB:RDS:FJE+File
 JWN:JFD:HH:DHH:WC:RLF:PBC

UCCNHT0000470



STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF INDUSTRIAL HYGIENE
RADIOLOGICAL HEALTH UNIT
80 Centre Street
New York, N Y 10013

NOTICE OF INSPECTION FINDINGS

1 Date
12-26-67
2 Type Visit
regular

3 Firm Name & Address Chem & Plastic Division Union Carbide Corp 137 47th St Niagara Falls	4 No Employees Exposed Male Female 18 -	
5 Confines of Installation waste burial area	9 Radiation Safety Officer E. M. Schuster	
6 Registration No	7 License No (s) 950 - 0139	8 Industrial Code 73

10 Findings

- ☐ A No item of non-compliance found
☒ B The following paragraphs of Code Rule 38, or conditions of your license were found in violation

(47 <input type="checkbox"/> 4)	(<input checked="" type="checkbox"/> 23) bury as per health dept rules	(19 <input type="checkbox"/> 34 1)
(<input type="checkbox"/> 5 1)	(47 <input type="checkbox"/> 24)	(20 <input type="checkbox"/> 34 2)
(<input type="checkbox"/> 6 2)	(47 <input type="checkbox"/> 25)	(21 <input type="checkbox"/> 34 3)
(<input type="checkbox"/> 9 1)	(15 <input checked="" type="checkbox"/> 26) calibrate instruments	(47 <input type="checkbox"/> 34 4)
(<input type="checkbox"/> 9 1)	(15 <input type="checkbox"/> 26 3)	(<input type="checkbox"/> 35 1)
(<input type="checkbox"/> 9 1)	(15 <input type="checkbox"/> 26 4)	(47 <input type="checkbox"/> 35 2)
(47 <input type="checkbox"/> 10)	(30 <input type="checkbox"/> 26 5)	(25 <input type="checkbox"/> 36 1a)
(47 <input type="checkbox"/> 11)	(47 <input type="checkbox"/> 26 6)	(<input type="checkbox"/> 9 36 1b)
(47 <input checked="" type="checkbox"/> 20) bury wastes with less handling	(47 <input type="checkbox"/> 28)	(24 <input type="checkbox"/> 36 1c)
(10 <input type="checkbox"/> 21 1)	(16 <input type="checkbox"/> 30)	(47 <input type="checkbox"/> 36 2)
(11 <input type="checkbox"/> 21 2)	(<input type="checkbox"/> 31 2)	(28 <input type="checkbox"/> 37 2)
(13 <input type="checkbox"/> 22 1)	(18 <input type="checkbox"/> 32)	(31 <input type="checkbox"/> 39)
(14 <input type="checkbox"/> 22 2)	(18 <input type="checkbox"/> 33)	(<input type="checkbox"/>)
(<input type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)

11 Remarks
More wastes directly to burial area rather than stockpiling them and re-handling the material
Post signs at burial area

12 The violations indicated above should be removed within 30 days

13 Signature of Department Representative
J. J. Brown
FOR THE COMMISSIONER



STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF INDUSTRIAL HYGIENE
RADIOLOGICAL HEALTH UNIT
80 Centre Street
New York, N Y 10013

Rec'd 8/3/70
CWS

NOTICE OF INSPECTION FINDINGS

1 Date	3/26/70
2 Type Visit	Regular

3 Firm Name & Address <i>Union Carbide Mining & Metals Div Niagara Falls</i>	4 No Employees Exposed Male <i>18</i> Female <i>—</i>		
5 Confines of Installation			
6 Registration No	7 License No (s) <i>950-0139</i>	8 Industrial Code <i>73</i>	9 Radiation Safety Officer <i>E. Schustik</i>

10 Findings

- ☐ A No item of non-compliance found
☒ B The following paragraphs of Code Rule 38, or conditions of your license were found in violation

(47 <input type="checkbox"/> 4)	(<input type="checkbox"/> 23)	(19 <input type="checkbox"/> 34 1)	
(<input type="checkbox"/> 5 1)	(47 <input type="checkbox"/> 24)	(20 <input type="checkbox"/> 34 2)	
(<input type="checkbox"/> 6 2)	(47 <input type="checkbox"/> 25)	(21 <input checked="" type="checkbox"/> 34 3)	<i>post notice</i>
(<input type="checkbox"/> 9 1)	(15 <input type="checkbox"/> 26 2)	(47 <input type="checkbox"/> 34 4)	
(<input type="checkbox"/> 9 1)	(15 <input type="checkbox"/> 26 3)	(<input type="checkbox"/> 35 1)	
(<input type="checkbox"/> 9 1)	(15 <input type="checkbox"/> 26 4)	(47 <input type="checkbox"/> 35 2)	
(47 <input type="checkbox"/> 10)	(30 <input type="checkbox"/> 26 5)	(25 <input type="checkbox"/> 36 1a)	
(47 <input type="checkbox"/> 11)	(47 <input type="checkbox"/> 26 6)	(9 <input type="checkbox"/> 36 1b)	
(47 <input checked="" type="checkbox"/> 20) 1) <i>store are in one area & rope off area</i>	(47 <input type="checkbox"/> 28)	(24 <input type="checkbox"/> 36 1c)	
(10 <input type="checkbox"/> 21 1) 2) <i>keep accurate records of amounts</i>	(16 <input type="checkbox"/> 30)	(47 <input type="checkbox"/> 36 2)	
(11 <input type="checkbox"/> 21 2)	(<input type="checkbox"/> 31 2)	(28 <input type="checkbox"/> 37 2)	
(13 <input type="checkbox"/> 22 1)	(18 <input type="checkbox"/> 32)	(31 <input type="checkbox"/> 39)	
(14 <input type="checkbox"/> 22 2)	(18 <input type="checkbox"/> 33)	(<input type="checkbox"/>)	
(<input type="checkbox"/>)	(<input type="checkbox"/>)	(<input type="checkbox"/>)	

11 Remarks

12 The violations indicated above should be removed within *60* days

13 Signature of Department Representative
Jim J. Brien

H. O'Hear

From E W Schuster, Files

7-2-71

Conversation with P. J. Dwyer letter: All radiotoxic materials are stored on floats in dunnage on a siding isolated in the North yard. The is near Pine Ave. & visible (yellow dunnage on floats) from the road. The has been taped off with proper radiation signs and warning notes. P.J. stated that all the radiotoxicity & other solid waste from the operations is now completely accumulated at the situated burial site in the dump and could be scheduled for Thursday 7/8/71. This could be rescheduled to suit Mr. H. J. O'Brien if he so indicates provided sufficient time is allotted to secure the trucks.

7/3/71 Phone with H. J. O'Brien: The Thursday 7/8/71 date for the burial is too far from the future morning period. The accumulated storage of the radiotoxic waste in the isolated North yard location suits with his approval.

Carver

UNION CARBIDE CORPORATION
FERTILIZER AND METALS DIVISION

P.O. BOX 116, 107 47 STREET, LACAPPA FALLS, NEW YORK 13827

April 25, 1972

Mr. William J. O'Donoghue
State of New York, Dept. of Labor
Division of Industrial Justice
2447 Sheridan Drive
Tonawanda, N. Y. 14150

Re No 955-0139

Dear Bill:

This will advise you of the disposal of six Railcar-2261
Sources which were charged against No 955-0139. The sources, and
the source claims, were transferred to Division of
Settlement for burial on 4/13/72.

It is my direct responsibility to see that, as of
for the Railcar, the sources are disposed of properly. He has
since been directed to a street in New York, but in the meantime,
I will handle the responsible sources.

I am enclosing a pertinent information relative to the
transfer and understand that you will forward the necessary
information to your local office.

Should additional information be required, please
advise me.

Sincerely very truly,

G. J. O'Donoghue
G. J. O'Donoghue

WFO is
etc

cc: [unclear] [unclear]
[unclear] [unclear]
[unclear] [unclear]
[unclear] [unclear]

UCCNHT0000474



UNION CARBIDE CORPORATION

MINING AND METALS DIVISION

4625 ROYAL AVE., P O BOX 579, NIAGARA FALLS, NEW YORK 14302

RESEARCH AND
DEVELOPMENT
DEPARTMENT

December 12, 1973

State of New York - Department of Labor
Division of Industrial Hygiene
Radiological Health Unit
80 Center Street
New York, New York 10013

ATTENTION: Mr. L. M. Schuster

Re: R-0139
950-0139

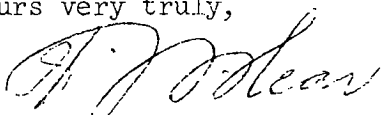
Dear Mr. Schuster:

Relative to your visit of 12/6/73 and Registration No. R-0139, I do not have a tabulated record of the surveys requested. I am instead sending copies of my notes pertaining to these operations for this year and trust that they will prove satisfactory.

Referring to Registration No. 950-0139 and "wipe survey of former thorium area," the storage area you were interested in is identified in the memorandum dated 7/2/71. All material was shipped from this area as of May 1972 and there is nothing left to wipe. I have, however, made an instrument survey of the area and can find no measurable radiation. Once again I hope this will be satisfactory.

I trust you had a pleasant return to New York City.

Yours very truly,

 R.S.O.
H. J. O'Hear

HJO'H:dmp
Enc.

UCCNHT0000475



UNION CARBIDE CORPORATION
MINING AND METALS DIVISION

4625 ROYAL AVE , P O BOX 579, NIAGARA FALLS, NEW YORK 14302

RESEARCH AND
DEVELOPMENT
DEPARTMENT

February 25, 1974

State of New York - Department of Labor
Division of Industrial Hygiene
Radiological Health Unit
80 Center Street
New York, New York 10013

Attention: Mr. L. M. Schuster

Re: 950-0139

Dear Mr. Schuster:

Relative to our phone conversation of February 20, I am enclosing a copy of our stock report pertaining to the radioactive ore. You will note the St. Lawrence Pyrochlore was sold to Philipps Bros. between January 1, 1972 and March 31, 1972, the Araxa columbite to Samincorp between March 3, 1972 and May 25, 1972. Both companies are Brokers, with offices in New York City.

I trust this supplies the required information.

Very truly yours,

HJO:ms
Encl.

H. J. O'Hear

UCCNHT0000476

~~W. H. H. H. H. H.~~
C M off on home
A H. Powder

Copy to file

Feb 2, 1977

FEB 3 1977

As you probably know, we now
have to renew our State of New York
Radioactive Materials License every two
years at that time we ^{also pay} either
have to post a security bond, or
apply for a waiver from taking the
bond.

I applied for the waiver and
it has been approved by the
Industrial Commission of the State of
New York, Department of Labor.
Our license now expires Nov 30, 1978
the plant license have also been
renewed and ^{expired} ^{1/31} expire at the same
time.

Our medical installation was
previously registered and inspected by
the New York State Dept of Labor. On
Sept 27, 1976 the Labor Dept terminated
this program. To meet the requirements
of the State Sanitary Code this facility had
to be registered with the N.Y. State Dept
of Health and out-house procedures
x-ray protection surveys arranged for.
This has been done, Paul B. Bland as
aware of its arrangements.

J. J. O'Hear

R.S.O.

UCCNHT0000477



INTERNAL CORRESPONDENCE

METALS DIVISION

• P O BOX 579 4625 ROYAL AVE , NIAGARA FALLS, NEW YORK 1430

To (Name) Mr. R. G. Woolery
Division Bldg. 94
Location NIAGARA

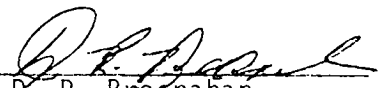
Date October 2, 1981
Originating Dept Minerals Technology

Answering letter date

Copy to Mr. H. J. O'Hear

Subject New York State Radioactive
Materials License No. 950-0139

The renewal date is approaching for New York State License No. 950-0139, authorizing the Niagara Metals Division plant to possess and process natural radioactive thorium-bearing pyrochlore ore used for the production of ferrocolumbium. Though we have no thorium-bearing ore on the premises and have not processed any in many years, the license has been maintained due to the belief that obtaining this authorization would be difficult, whereas renewal is a simple matter of demonstrating financial responsibility. However, if the plant will not be processing thorium-bearing ore again, the license should be allowed to expire - as advised by state inspectors. Hence I would appreciate knowing if the possibility of again processing thorium-bearing ores exists, and in sufficient time to avoid expiration of the license which occurs on November 30, 1981.


D. R. Bresnahan
Radiation Safety Officer

DRB/rmm

UCCNHT0000478



UNION CARBIDE CORPORATION

METALS DIVISION

4625 ROYAL AVE. P.O. BOX 579 NIAGARA FALLS NEW YORK 14302

March 11, 1982

Mr. Andrew Awa
New York State Department of Labor
Division of Safety and Health
Two World Trade Center, Rm. 6989
New York, NY 10047

Dear Mr. Awa:

Please cancel our New York Radioactive Materials License No. 950-0139
pertaining to the production of Ferrocolumbium from natural radioactive
thorium-bearing pyrochlore ore. We no longer perform this operation and
have no thorium on the premises.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'D. R. Brosnahan'.

D. R. Brosnahan
Radiation Safety Officer

DRB:jk

Copies: Messrs. F. T. Temple
R. G. Woolery

UCCNHT0000479